

EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
BUILDING STANDARDS COMMISSION
REGARDING PROPOSED CHANGES TO
2006 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
WITH PROPOSED AMENDMENTS
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 10

Legend for Express Terms:

- 1. California amendment (CA) brought forward without modification:** *All language will appear in italics.*
- 2. California amendment (CA) brought forward with modification:** *All language will appear in italics, modified language is shown underlined.*
- 3. New NEC language with new California amendment (CA):** NEC language shown in normal Arial 12 pt. *California amendments to NEC text is shown underlined and in italics.*
- 4. New California amendment (CA):** *California language will appear underlined and in italics.*
- 5. Repealed text:** Shown as ~~Strikeout~~.

1.

EXPRESS TERMS

- REPEAL:** Appendix Chapter 1 – Seismic Strengthening Provisions for Unreinforced Masonry Bearing Wall Buildings of the 2001 California Code for Building Conservation based on the 1997 edition of Uniform Code for Building Conservation of the International Conference of Building Officials.
- ADOPT:** Appendix Chapter A1 – Seismic Strengthening Provisions for Unreinforced Masonry Bearing Wall Buildings of the 2006 edition of the International Existing Building Code of the International Code Council with California amendments.

**APPENDIX CHAPTER A1
SEISMIC STRENGTHENING PROVISIONS FOR UNREINFORCED MASONRY BEARING
WALL BUILDINGS
MATRIX ADOPTION TABLE**

Adopting Agency		BSC	Comments
Adopt Entire Chapter			
Adopt Entire Chapter as amended (amended sections listed below)		X	Repeal entire 2001 CCBC Appendix Chapter 1 and Adopt entire 2006 IEBC Appendix Chapter A1 as amended ^{1 2 3}
Adopt only those sections that are listed below			
A100	CA		
A100.1	CA		
A102.2	IEBC		
A103	IEBC		
A105.4	IEBC		
A108.2	IEBC		

1 New amendments are shown italicized and underlined with "CA" in the margin

2 Existing amendments to Appendix Chapter 1 of the CCBC being repealed are shown stricken with "CA"

3 Existing amendments being continued from the 2001 CCBC to the 2007 CCBC are shown italicized with "CA"

SECTION A100 – APPLICATION

A100.1 Vesting Authority. When adopted by a state agency, the provisions of the regulations shall be enforced by the appropriate enforcing agency, but only to the extent of authority granted to such agency by the state legislature.

Following is a list of the state agencies that adopt building standards, the specific scope of application of the agency responsible for enforcement, and the specific statutory authority of each agency to adopt and enforce such provisions of building standards of this code, unless otherwise stated.

1. BSC – California Building Standards Commission.

Application – Existing buildings as specified in Section A102 having at least one unreinforced masonry bearing wall, with the exception of ~~detached one- or two-family dwelling units and used solely for residential purposes,~~ buildings subject to building standards pursuant to Part 1.5 (commencing with Section 17910) and “essential facilities” or “hazardous facilities” as defined in Table 16-K of the California Building Code.

Enforcing Agency – State or local agency specified by the applicable provisions of the law.

Authority Cited – Health and Safety Code Section 18934.56.

Reference – Health and Safety Code Sections 18901 through 18949.

Notation

Authority: Health and Safety Code Sections 18928, 18928.1, and 18934.6

Reference(s): Health and Safety Code Sections 18916, 18928, 18928.1, 18934.6, and 18938

SECTION: A102 – SCOPE

A102.2 Essential and hazardous facilities. The provisions of this chapter shall not apply to the strengthening of buildings or structures in Occupancy Category III when assigned to Seismic Design Category C, D, or E or buildings or structures in Occupancy Category IV. Such buildings or structures shall be strengthened to meet the requirements of the ~~International~~ California Building Code for new buildings of the same occupancy category or other such criteria that have been established by the jurisdiction.

Notation

Authority: Health and Safety Code Sections 18928, 18928.1, and 18934.6

Reference(s): Health and Safety Code Sections 18916, 18928, 18928.1, 18934.6, and 18938

SECTION: A103 – DEFINITIONS

For the purposes of this chapter, the applicable definitions in the California Building Code as adopted by the California Building Standards Commission (CBSC) shall also apply:

BUILDING CODE. The code currently adopted by the jurisdiction California Building Standards Commission for new buildings. For applications listed in Section 100.1 (2), regulated by the Department of Housing and Community Development, “Building Code” shall mean the most current edition of the California Building Code, Title 24, Part 2 as adopted by the California Building Standards Commission (CBSC).

Notation

Authority: Health and Safety Code Sections 18928, 18928.1, and 18934.6

Reference(s): Health and Safety Code Sections 18916, 18928, 18928.1, 18934.6, and 18938

SECTION: A105 – GENERAL REQUIREMENTS

A105.4 Structural observation, testing and inspection. Structural observation, in accordance with Section 1709 of the ~~International~~ California Building Code, shall be required for all structures in which seismic retrofit is being

performed in accordance with this chapter. Structural observation shall include visual observation of work for conformance with the approved construction documents and confirmation of existing conditions assumed during design.

Structural testing and inspection for new construction materials shall be in accordance with the California Building Code except as modified by this chapter.

Notation

Authority: Health and Safety Code Sections 18928, 18928.1, and 18934.6

Reference(s): Health and Safety Code Sections 18916, 18928, 18928.1, 18934.6, and 18938

SECTION: A108 – DESIGN STRENGTHS

Section: A108.2 Masonry shear strength. The unreinforced masonry shear strength, v_m , shall be determined for each masonry class from one of the following equations:

1. The unreinforced masonry shear strength, v_m , shall be determined by Equation (A1-4) when the mortar shear strength has been determined by Section A106.3.3.1

(Insert Equation)

(Equation A1-4)

The mortar shear strength values, v_t , shall be determined in accordance with Section 106.3.3.5 and shall not exceed 100 pounds per square inch (689.5 kPa) for the determination of v_m .

2. The unreinforced masonry shear strength, v_m , shall be determined by Equation (A1-5) when tensile-splitting strength has been determined in accordance with Section A106.3.3.2, Item 1 or 2.

(Insert Equation)

(Equation A1-5)

3. When f_m has been estimated by categorization of the units and mortar in accordance with Section 2105.2.2.1 of the ~~International~~ California Building Code, the unreinforced masonry shear strength, v_m , shall not exceed 200 pounds per square inch (1380 kPa) or the lesser of the following:

(Insert Equation)

(Equation A1-6)

For SI: 1 psi = 6.895 kPa.

Where:

$V = 62.5$ psi (430 kPa) for running bond masonry not grouted solid.

$V = 100$ psi (690 kPa) for running bond masonry not grouted solid.

$V = 25$ psi (170 kPa) for stack bond grouted solid.

Notation

Authority: Health and Safety Code Sections 18928, 18928.1, and 18934.6

Reference(s): Health and Safety Code Sections 18916, 18928, 18928.1, 18934.6, and 18938